IAP12 Rec'd PCT/PTO 1 6 JUN 2006

CD107PCT.ST25.txr SEQUENCE LISTING

```
<110> CropDesign N.V.
<120> Plants having modified growth characteristics and method for
      making the same
<130> CD-107-PCT
<150> EP 03104764.0
<151> 2003-12-17
<150> US 60/531,866
<151> 2003-12-22
<160> 7
<170> PatentIn version 3.3
<210> 1
<211> 1380
<212> DNA
<213> Nicotiana tabacum
<400> 1
atgggtgaca tgaaggataa agtcaaaggg ttcatgaaaa aagtcacatc ttcttcttca
                                                                      60
                                                                     120
ggtaagttta aaggccaagg tagggttttg ggtggttcat cttcttcagg accctcaaat
catgtcaata atttttcatc acatccccta aatacaaggc aagatcaaca accttcatat
                                                                     180
acaaaaactt cgcctcaaaa accaagtaat tctgatcaaa gaattgagaa tatatgtgaa
                                                                     240
                                                                     300
attcagttca acaaaagtga atcaaaggat ggttttgatc catttggtga attagtcact
                                                                     360
tctgggaaga gaaacccaaa agggtattca cttactaatg tgtttgaatg ccctgtctgt
ggtagtggtt ttgtttctga agaagaggtg tcaactcata ttgatagctg tttaagttct
                                                                     420
gaagtgtctt ctaatttggg agttgaaagt aaagttgaag ttaaaagtga attggaaaca
                                                                     480
tgtgttagtg catatgtttc agggaagccc tcagaagggt cagttgaagt ggtcattaag
                                                                     540
                                                                     600
ttgttaaaga atattgtgaa ggaaccagag aatgccaagt ttaggaaaat aaggatgggg
                                                                     660
aatccaaaaa taaaaggtgc tataggtgat gttgtaggag gagtggagct attggaattt
gttggatttg agttgaaaga agaaggtggg gaaatttggg ctgtgatgga tgttccttct
                                                                     720
                                                                     780
qaagaacaac ttgttatgct taagaatgta gtttcactct tggaaccgaa gaaggttgaa
                                                                     840
gagttggcgt ccttatccca agttaaggcg agtgaaccag ttgagccgaa gaagattgat
                                                                     900
agacagatto gagtgttott ttotgttoco gagagogtag cagcaaaaat tgagotacot
                                                                     960
gattccttct ttaacctctc acgtgaggaa ttgagaagag aagcagagat gaggaagaag
                                                                    1020
aaattagaag attccaaatt attgattcct aaatcttatc gggaaaagca ggcaaaagct
gcaagaaaga agtacacaaa atccattatc cgtgtacagt ttccagatgg agcattgctt
                                                                    1080
caaggtgtct ttctaccttc ggagccaact agtgctcttt atgagtttgt gagcgcagcg
                                                                    1140
ttaaaggaac caagcttaga gttcgaattg ttacatccgg tgcttgttaa aaagcgggtg
                                                                    1200
attccccatt ttccagctgc tggggagagg gctgtaacag ttgaagagga ggatttggtt
                                                                    1260
cctgcagctc tactcaaatt taaacctatc gaaacagatt ctgttgtttt tactggtctt
                                                                    1320
                                                                    1380
tgtaatgagc ttcttgaaat tagcgagccc ctcgagaccg gatcagttgc ttcctcgtaa
<210> 2
<211> 459
<212> PRT
<213> Nicotiana tabacum
<400> 2
Met Gly Asp Met Lys Asp Lys Val Lys Gly Phe Met Lys Lys Val Thr
                                    10
Ser Ser Ser Gly Lys Phe Lys Gly Gln Gly Arg Val Leu Gly Gly
```

Page 1

CD107PCT.ST25.txr

							CD.	10/190	JT . 5	125.	CXI				
			20					25					30		
Ser	Ser	Ser 35	Ser	Gly	Pro	Ser	Asn 40	His	Val	Asn	Asn	Phe 45	Ser	Ser	His
Pro	Leu 50	Asn	Thr	Arg	Gln	Asp 55	Gln	Gln	Pro	Ser	Tyr 60	Thr	Lys	Thr	Ser
Pro 65	Gln	Lys	Pro	Ser	Asn 70	Ser	Asp	Gln	Arg	Ile 75	Glu	Asn	Ile	Cys	Glu 80
Ile	Gln	Phe	Asn	Lys 85	Ser	Glu	Ser	Lys	Asp 90	Gly	Phe	Asp	Pro	Phe 95	Gly
Glu	Leu	Val	Thr 100	Ser	Gly	Lys	Arg	Asn 105	Pro	Lys	Gly	Tyr	Ser 110	Leu	Thr
Asn	Val	Phe 115	Glu	Cys	Pro	Val	Cys 120	Gly	Ser	Gly	Phe	Val 125	Ser	Glu	Glu
Glu	Val 130	Ser	Thr	His	Ile	Asp 135	Ser	Суѕ	Leu	Ser	Ser 140	Glu	Val	Ser	Ser
Asn 145	Leu	Gly	Val	Glu	Ser 150	Lys	Val	Glu	Val	Lys 155	Ser	Glu	Leu	Glu	Thr 160
Cys	Val	Ser	Ala	Tyr 165	Val	Ser	Gly	Lys	Pro 170	Ser	Glu	Gly	Ser	Val 175	Glu
Val	Val	Ile	Lys 180	Leu	Leu	Lys	Asn	Ile 185	Val	Lys	Glu	Pro	Glu 190	Asn	Ala
Lys	Phe	Arg 195	Lys	Ile	Arg	Met	Gly 200	Asn	Pro	Lys	Ile	Lys 205	Gly	Ala	Ile
Gly	Asp 210	Val	Val	Gly	Gly	Val 215	Glu	Leu	Leu	Glu	Phe 220	Val	Gly	Phe	Glu
Leu 225	Lys	Glu	Glu	Gly	Gly 230	Glu	Ile	Trp	Ala	Val 235	Met	Asp	Val	Pro	Ser 240
Glu	Glu	Gln	Leu	Val 245		Leu	Lys	Asn	Val 250	Val	Ser	Leu	Leu	Glu 255	Pro
Lys	Lys	Val	Glu 260		Leu	Ala	Ser	Leu 265	Ser	Gln	Val	Lys	Ala 270	Ser	Glu
Pro	Val	Glu 275		Lys	Lys	Ile	Asp 280	Arg	Gln	Ile	Arg	Val 285	Phe	Phe	Ser
Val	Pro 290		Ser	Val	Ala	Ala 295	Lys	Ile	Glu	Leu	9rc 300	Asp	Ser	Phe	Phe
Asn 305		Ser	Arg	Glu	Glu 310		Arg	Arg	Glu	Ala 315	Glu	Met	Arg	, Lys	320
Lys	Leu	Glu	Asp	Ser 325		Leu	Leu	Ile	9ro	Lys	Ser	Туі	Arç	335	Lys
										_					

CD107PCT.ST25.txr

```
Gln Ala Lys Ala Ala Arg Lys Lys Tyr Thr Lys Ser Ile Ile Arg Val
                                345
Gln Phe Pro Asp Gly Ala Leu Leu Gln Gly Val Phe Leu Pro Ser Glu
                            360
Pro Thr Ser Ala Leu Tyr Glu Phe Val Ser Ala Ala Leu Lys Glu Pro
Ser Leu Glu Phe Glu Leu Leu His Pro Val Leu Val Lys Lys Arg Val
                    390
Ile Pro His Phe Pro Ala Ala Gly Glu Arg Ala Val Thr Val Glu Glu
                                    410
Glu Asp Leu Val Pro Ala Ala Leu Leu Lys Phe Lys Pro Ile Glu Thr
            420
                                425
Asp Ser Val Val Phe Thr Gly Leu Cys Asn Glu Leu Leu Glu Ile Ser
Glu Pro Leu Glu Thr Gly Ser Val Ala Ser Ser
                        455
<210> 3
<211> 1311
<212>
       DNA
<213> Saccharum officinarum
<220>
<221> misc feature
<222> (277)..(279)
<223> n can be any nucleotide
<400> 3
                                                                       60
atgatgaagg acaagatgaa ggagttcatg aagaaggtca cctcctccgg gtccgggacc
                                                                      120
contected teaagggear eteccacgte eteggeteeg geoceteece etecteetee
                                                                      180
caccccgctg cccgctcctc aaaccctagc ccaaacctca ggcccgctcc taagcggacc
tcgccaccta ccccgcccac tttaaccacc gatttgacct ccttcacgcc cctcgtctgc
                                                                      240
tactectece geogeocoga egegaaegge acegegnnng eegtegecae egtegegtge
                                                                      300
                                                                      360
cccagctgcg gagacgcgtt tccgtccgag ctcgccgtct ccgagcatct cgacggctgc
                                                                      420
ctcgcgtcgg cggggggcgc ccgcgcgcgc gccgccgcgt acctcgccgc cgacccgcct
                                                                      480
ccgcccgcgg cctccgtaga ggtggtcaaa cgcctgctgg gcaacctgct ccgggagccc
ggcaacgata agttcaggcg ggtgagattg ggtaacccgc ggatcaagga ggccctggca
                                                                      540
gacagggatg gcggggtgga gctcctggag gccgtcggct tcacagttgg ggatgagggc
                                                                      600
                                                                      660
ggggagccct tcgccgtgat ggacgaagtg cctagcgacc ctaggctcaa cgggatcagg
agggccgtcc tcctgctcga gggggcacac ccctctgcgc ctccagtgaa ggcggaggct
                                                                      720
                                                                      780
gaggccaagg agagctgcag caatgtgtct gacgtgcagg agggtgctaa gactattgat
                                                                      840
cggcagattc gggtatttgt ctctgttcct gggagttcta tggcacaaaa tgatgtacca
gattetttt acaagettag tggtgaggag ataaggaatg aagcaaagat gaggagggaa
                                                                      900
                                                                      960
aggttagaac aatctcgatt gctgatacca aagtcttaca aggagaaaca ggcattggct
                                                                     1020
gctcgacaga agtataaaca agcagtcatt cgagttcagt ttccagatag aatgattctt
                                                                     1080
cagggcatat tectaceagg agaggeeact agtteactgt atgagttegt caeatetget
```

<210> 4

ctgaagcaat caggtttgga attcgaactt atctctccag ccatacctaa gccacgtgtg

gtgccccatt ttccaaaccc gggagagcgg gcacgcacct tgcaagagga ggagctggtc ccatctgcgc tcctcaagtt cattcccaag gagactgatt ccatggtttt caccggtttg

cttgatgagc ttctcatggc cagtgagccg cttcctgctg catcacaatg a

1140

1200

1260

1311

CD107PCT.ST25.txr

<211> 436 <212> PRT <213> Saccharum officinarum <220> <221> MISC_FEATURE <222> (93)..(93) <223> Xaa can be any amino acid <400> 4 Met Met Lys Asp Lys Met Lys Glu Phe Met Lys Lys Val Thr Ser Ser Gly Ser Gly Thr Pro Ser Ser Phe Lys Gly Thr Ser His Val Leu Gly 25 Ser Gly Pro Ser Pro Ser Ser Ser His Pro Ala Ala Arg Ser Ser Asn Pro Ser Pro Asn Leu Arg Pro Ala Pro Lys Arg Thr Ser Pro Pro Thr Pro Pro Thr Leu Thr Thr Asp Leu Thr Ser Phe Thr Pro Leu Val Cys Tyr Ser Ser Arg Arg Pro Asp Ala Asn Gly Thr Ala Xaa Ala Val Ala Thr Val Ala Cys Pro Ser Cys Gly Asp Ala Phe Pro Ser Glu Leu Ala 105 Val Ser Glu His Leu Asp Gly Cys Leu Ala Ser Ala Gly Gly Ala Arg 120 Ala Arg Ala Ala Ala Tyr Leu Ala Ala Asp Pro Pro Pro Pro Ala Ala Ser Val Glu Val Val Lys Arg Leu Leu Gly Asn Leu Leu Arg Glu Pro Gly Asn Asp Lys Phe Arg Arg Val Arg Leu Gly Asn Pro Arg Ile Lys 170 Glu Ala Leu Ala Asp Arg Asp Gly Gly Val Glu Leu Leu Glu Ala Val Gly Phe Thr Val Gly Asp Glu Gly Gly Glu Pro Phe Ala Val Met Asp Glu Val Pro Ser Asp Pro Arg Leu Asn Gly Ile Arg Arg Ala Val Leu Leu Leu Glu Gly Ala His Pro Ser Ala Pro Pro Val Lys Ala Glu Ala 230 Glu Ala Lys Glu Ser Cys Ser Asn Val Ser Asp Val Gln Glu Gly Ala 250 Lys Thr Ile Asp Arg Gln Ile Arg Val Phe Val Ser Val Pro Gly Ser

Page 4

PCT/EP2004/053594 WO 2005/059147

CD107PCT.ST25.txr											
260 265 270											
Ser Met Ala Gln Asn Asp Val Pro Asp Ser Phe Tyr Lys Leu Ser Gly 275 280 285											
Glu Glu Ile Arg Asn Glu Ala Lys Met Arg Arg Glu Arg Leu Glu Gln 290 295 300											
Ser Arg Leu Leu Ile Pro Lys Ser Tyr Lys Glu Lys Gln Ala Leu Ala 305 310 315 320											
Ala Arg Gln Lys Tyr Lys Gln Ala Val Ile Arg Val Gln Phe Pro Asp 325 330 335											
Arg Met Ile Leu Gln Gly Ile Phe Leu Pro Gly Glu Ala Thr Ser Ser 340 345 350											
Leu Tyr Glu Phe Val Thr Ser Ala Leu Lys Gln Ser Gly Leu Glu Phe 355 360 365											
Glu Leu Ile Ser Pro Ala Ile Pro Lys Pro Arg Val Val Pro His Phe 370 375 380											
Pro Asn Pro Gly Glu Arg Ala Arg Thr Leu Gln Glu Glu Glu Leu Val 385 390 395 400											
Pro Ser Ala Leu Leu Lys Phe Ile Pro Lys Glu Thr Asp Ser Met Val 405 410 415											
Phe Thr Gly Leu Leu Asp Glu Leu Leu Met Ala Ser Glu Pro Leu Pro 420 425 430											
Ala Ala Ser Gln 435											
<210> 5 <211> 3048 <212> DNA <213> Artificial sequence											
<220>											
<pre><220> <223> expression cassette comprising GRUBX (1011-2390) operably linked to the prolamine promoter (1-654) and the T-Zein + T-Rubisco deltaG terminator (2615-2808 and 2852-3048)</pre>											
<400> 5											
ttattttaca aaaatataaa atagatcagt coctcaccac aagtagagca agttggtgag 120											
ttattgtaaa gttctacaaa gctaatttaa aagttattgc attaacttat ttcatattac 180 aaacaagagt gtcaatggaa caatgaaaac catatgacat actataattt tgtttttatt 240											
attgaaatta tataattcaa aqagaataaa tccacatagc cgtaaagttc tacatgtggt 300											
gcattaccaa aatatatata gcttacaaaa catgacaagc ttagtttgaa aaattgcaat 360											
atcatgtata tatgatagcc acaaagttac titgatgatg atatcaaaaga acattittag 480											
gtgcacctaa cagaatatcc aaataatatg actcacttag atcataatag agcatcaagt 540											
aaaactaaca ctctaaagca accgatggga aagcatctat aaatagacaa gcacaatgaa 600 aatcctcatc atccttcacc acaattcaaa tattatagtt gaagcatagt agtaatttaa 660											
atcaactagg gatatcacaa gtttgtacaa aaaagcaggc tggtaccggt ccggaattcc /20											
cgggatatcg tcgacccacg cgtccgccaa tatcagattt ctttcatgaa ctccacttcc 780 Page 5											
9-											

PCT/EP2004/053594 WO 2005/059147

CD107PCT.ST25.txr

```
aattteteat tgettettet teccatttee acetecaaag ceateettee agaaaacett
                                                                     840
gttccttaca tttcttagcc ccaaaaaaga ttcccatctc aattccacaa aaaaacacaa
                                                                     900
ggagatctaa ggaaattccc cgcctctata tatagagagg tggaattgtt cctgaatttg
                                                                     960
gtttgaattg attgattgac agattttggt gagagggtgt tattgaaaaa atgggtgaca
                                                                    1020
tgaaggataa agtcaaaggg ttcatgaaaa aagtcacatc ttcttcttca ggtaagttta
                                                                    1080
aaggccaagg tagggttttg ggtggttcat cttcttcagg accctcaaat catgtcaata
                                                                     1140
atttttcatc acatccccta aatacaaggc aagatcaaca accttcatat acaaaaactt
                                                                     1200
cgcctcaaaa accaagtaat tctgatcaaa gaattgagaa tatatgtgaa attcagttca
                                                                     1260
acaaaagtga atcaaaggat ggttttgatc catttggtga attagtcact tctgggaaga
                                                                    1320
gaaacccaaa agggtattca cttactaatg tgtttgaatg ccctgtctgt ggtagtggtt
                                                                     1380
ttgtttctga agaagaggtg tcaactcata ttgatagctg tttaagttct gaagtgtctt
                                                                    1440
                                                                     1500
ctaatttggg agttgaaagt aaagttgaag ttaaaagtga attggaaaca tgtgttagtg
catatgtttc agggaagccc tcagaagggt cagttgaagt ggtcattaag ttgttaaaga
                                                                     1560
atattgtgaa ggaaccagag aatgccaagt ttaggaaaat aaggatgggg aatccaaaaa
                                                                     1620
taaaaggtgc tataggtgat gttgtaggag gagtggagct attggaattt gttggatttg
                                                                     1680
                                                                     1740
agttgaaaga agaaggtggg gaaatttggg ctgtgatgga tgttccttct gaagaacaac
ttgttatgct taagaatgta gtttcactct tggaaccgaa gaaggttgaa gagttggcgt
                                                                     1800
ccttatccca agttaaggcg agtgaaccag ttgagccgaa gaagattgat agacagattc
                                                                     1860
gagtgttctt ttctgttccc gagagcgtag cagcaaaaat tgagctacct gattccttct
                                                                     1920
ttaacctctc acgtgaggaa ttgagaagag aagcagagat gaggaagaag aaattagaag
                                                                     1980
attccaaatt attgattcct aaatcttatc gggaaaagca ggcaaaagct gcaagaaaga
                                                                     2040
agtacacaaa atccattatc cgtgtacagt ttccagatgg agcattgctt caaggtgtct
                                                                     2100
                                                                     2160
ttctaccttc ggagccaact agtgctcttt atgagtttgt gagcgcagcg ttaaaggaac
caagettaga gttegaattg ttacateegg tgettgttaa aaagegggtg atteeceatt
                                                                     2220
ttccagctgc tggggagagg gctgtaacag ttgaagagga ggatttggtt cctgcagctc
                                                                     2280
tactcaaatt taaacctatc gaaacagatt ctgttgtttt tactggtctt tgtaatgagc
                                                                     2340
ttettgaaat tagegageee etegagaeeg gateagttge tteetegtaa getetaaatt
                                                                     2400
acatcagact ttgaattett etgagtgttg gaaacettat aaaactetet gegeegggaa
                                                                     2460
tgctgcggcc gctctagagt atccctcgag gggcccaagc ttacgcgtac ccagctttct
                                                                     2520
tgtacaaagt ggtgatatca caagcccggg cggtcttcta gggataacag ggtaattata
                                                                     2580
tecetetaga teacaageee gggeggtett etacgatgat tgagtaataa tgtgteaege
                                                                     2640
                                                                     2700
atcaccatgg gtggcagtgt cagtgtgagc aatgacctga atgaacaatt gaaatgaaaa
gaaaaaaagt actccatctg ttccaaatta aaattcattt taacctttta ataggtttat
                                                                     2760
                                                                     2820
acaataattg atatatgttt totgtatatg totaatttgt tatcatcogg goggtottot
                                                                     2880
agggataaca gggtaattat atccctctag acaacacaca acaaataaga gaaaaaacaa
ataatattaa titgagaatg aacaaaagga ccatatcatt cattaactct tetecateca
                                                                     2940
                                                                     3000
tttccatttc acagttcgat agcgaaaacc gaataaaaaa cacagtaaat tacaagcaca
                                                                     3048
açaaatggta caagaaaaac agttttccca atgccataat actcgaac
₹210>
<211> 1302
<212> DNA
<213>
       Oryza sativa
atgatgaagg aaaagatgaa ggatctcatg aggaaggtca cctcctcctc ctcctcctc
                                                                       60
                                                                      120
tegtegtect ceteetteaa gggcacegee cacgteeteg geteeggeee egaceeetee
tecegecet ceaacettae ecetagtege ecegetgeee eceggegaga ggeegeegee
                                                                      180
teegegagge egeceteete eggettegee ecetaeteee egeteatete eaceteetee
                                                                      240
cgccgcaccg acccacccgc gggggcgggg gcgggggagg acgacgccgt cgcgtgcccc
                                                                      300
agetgegeeg agecgtteec etecgagetg geggtgtegg accaectega eggetgeete
                                                                      360
geggeggegg ggggageeeg ecceegegeg geegeetace tggeeggega ecceeeegeg
                                                                      420
                                                                      480
teegeegtgg aggtggtgaa gaggetgete gggaacetge teteegaeee eeggaacgae
                                                                      540
aagtacagga aggtcaggct cgggaacccg aggatcaagg aggccctggc ggacagggag
ggcggggtgg atctcctcga ggccgtgggg ttcagggtcg ccgacgaggg cggggagctc
                                                                      600
ttcgccctca tggacgaggt gcccggggac gcgaggctcg gcggcatcag gcaggccgtg
                                                                      660
ctectgeteg agagggeeg gecategacg eegeegeaga cacaggeaga tgecaaagag
                                                                      720
                                                                      780
acttgcccga atggagttag cgaagagcag gggattaaga agccggttga tcgtcagatt
```

cgggtgttct tctctgttgc tgcaagttct gttgcagaaa atgatctacc agattctttc Page 6

840

CD107PCT.ST25.txr

CD107PCT.ST25.txr												
tatagcctta gtaatgagga gatcaggaat gaggcaaaga tgaggaggga gaggc caatctcggt tgttgattcc aaagtcatat aaggagaagc aggcactggc tgccc aagtataaac aagctctgat tcgaattcag tttccggatg gagtaattct gcagg ttccttcccg cggagcccat tagttcacta tatgagtttg tcgcatcttc tttga ccaagtttgg aattcgatct tatctgtcca gcgggtccta ggacacgcgt catac tttccaaaac caggggaaca ggcacgcaca ctgcgggatg aagacctagt ccctt cggctcacct tcaagcccaa agagactgat tcggttgtgt tcactggtct gttgg	tgaggaggga gaggctagaa aggcactggc tgcccgacag gagtaattct gcagggtgtg tcgcatcttc tttgaagcag ggacacgcgt catacctcct aagacctagt gttggacgag											
<210> 7 <211> 433 <212> PRT <213> Oryza sativa												
<pre><400> 7 Met Met Lys Glu Lys Met Lys Asp Leu Met Arg Lys Val Thr Ser 1 10 15</pre>	Ser											
Ser Ser Ser Ser Ser Ser Ser Ser Phe Lys Gly Thr Ala His 20 25 30	Val											
Leu Gly Ser Gly Pro Asp Pro Ser Ser Arg Pro Ser Asn Pro Thr 35 40 45	Pro											
Ser Arg Pro Ala Ala Pro Arg Arg Glu Ala Ala Ala Ser Ala Arg 50 55 60	Pro											
Pro Ser Ser Gly Phe Ala Pro Tyr Ser Pro Leu Ile Ser Thr Ser 65 70 75	Ser 80											
Arg Arg Thr Asp Pro Pro Ala Gly Ala Gly Ala Gly Glu Asp Asp 85 90 95	Ala											
Val Ala Cys Pro Ser Cys Ala Glu Pro Phe Pro Ser Glu Leu Ala 100 105 110	Val											
Ser Asp His Leu Asp Gly Cys Leu Ala Ala Ala Gly Gly Ala Arg 115 120 125	Pro											
Asg Ala Ala Ala Tyr Leu Ala Gly Asp Pro Pro Ala Ser Ala Val 130 135 140	Glu											
Val Val Lys Arg Leu Leu Gly Asn Leu Leu Ser Asp Pro Arg Asn 145 150 155	Asp 160											
Lys Tyr Arg Lys Val Arg Leu Gly Asn Pro Arg Ile Lys Glu Ala 165 170 175	Leu											
Ala Asp Arg Glu Gly Gly Val Asp Leu Leu Glu Ala Val Gly Phe 180 185 190	Arg											
Val Ala Asp Glu Gly Gly Glu Leu Phe Ala Leu Met Asp Glu Val 195 200 205	Pro											
Gly Asp Ala Arg Leu Gly Gly Ile Arg Gln Ala Val Leu Leu Leu 210 215 220	Glu											
Arg Ala Arg Pro Ser Thr Pro Pro Gln Thr Gln Ala Asp Ala Lys 225 230 235 Page 7	Glu 240											

CD107PCT.ST25.txr

AspArgGlnIle 260ArgValPhe 260Phe 265Ser 265ValAlaAlaSer 270Ser 280GluAsnAsp 290ProAsp 290SerPhe 280Tyr 280SerLeuSerAsp 280GluArgSerLeuGluSerArgArg 290IleProLysMet 290Arg 310GluArgGluArgGluArgGluArgGluArgGluArgGluArgGluArgAlaLeuAlaArgLeuTyrLysGluArgIleGluAlaLeuArgArgIleProIleProAspGlyArgPheValAlaAlaProLeuLysGluProSerLeuGlyProArgArgPheValAlaGluProArgArgValIleProProProProLysArgGluAlaArgThrArgArgArgArgFroArgArgFroArgArgFroArgArgArgArgArgFroArg<	Thr	Cys	Pro	Asn	Gly 245	Val	Ser	Glu	Glu	Gln 250	Gly	Ile	Lys	Lys	Pro 255	Val
Arg Asn 290 Glu Ala Lys Met Arg 295 Arg 295 Glu Arg 295 Leu 300 Glu Ser Arg 300 Glu Ala Leu 300 Glu Ser Arg 315 Leu 315 Leu 316 Arg 315 Leu 315 Leu 316 Arg 315 Leu 316 Ala 315 Leu 315 Arg 315 Leu 316 Arg 315 Leu 316 Arg 315 Leu 316 Arg 316 Ar	Asp	Arg	Gln		Arg	Val	Phe	Phe		Val	Ala	Ala	Ser	Ser 270	Val	Ala
Leu Ile Pro Lys Ser Tyr Lys Glu Lys Gln Ala Leu Ala Ala Arg 315 Lys Tyr Lys Gln Ala Leu Ile Arg Ile Gln Phe Pro Asp Gly Val 335 Leu Gln Gly Val Phe Leu Pro Ala Glu Pro Ile Ser Ser Leu Tyr 350 Phe Val Ala Ser Ser Leu Lys Gln Pro Ser Leu Glu Phe Asp Leu 365 Cys Pro Ala Gly Pro Arg Thr Arg Val Ile Pro Pro Phe Pro Lys 380 Gly Glu Gln Ala Arg Thr Leu Arg Asp Glu Asp Leu Val Pro Ser Arg Leu Thr Phe Lys 405 Leu Leu Asp Glu Leu Leu Glu Thr Ser Glu Pro Phe Thr Ser Ala	Glu	Asn		Leu	Pro	Asp	Ser		Tyr	Ser	Leu	Ser	Asn 285	Glu	Glu	Ile
Lys Tyr Lys Gln Ala Leu Ile Arg Ile Gln Phe Pro Asp Gly Val 335 Leu Gln Gly Val Phe Leu Pro Ala Glu Pro Ile Ser Ser Leu Tyr 350 Phe Val Ala Ser Ser Leu Lys Gln Pro Ser Leu Glu Phe Asp Leu 365 Cys Pro Ala Gly Pro Arg Thr Arg Val Ile Pro Pro Pro Phe Pro Lys 370 Gly Glu Gln Ala Arg Thr Leu Arg Asp Glu Asp Leu Val Pro Ser Arg Leu Tyr 390 Arg Leu Thr Phe Lys Pro Lys Glu Thr Asp Ser Val Val Pro Thr 415 Leu Leu Asp Glu Leu Leu Glu Thr Ser Glu Pro Phe Thr Ser Ala	Arg		Glu	Ala	Lys	Met	Arg 295	Arg	Glu	Arg	Leu	Glu 300	Gln	Ser	Arg	Leu
Leu Gln Gly Val Phe Leu Pro Ala Glu Pro Ile Ser Ser Leu Tyr 350 Phe Val Ala Ser Ser Leu Lys Gln Pro Ser Leu Glu Phe Asp Leu 365 Cys Pro Ala Gly Pro Arg Thr Arg Val Ile Pro Pro Pro Pro Lys 380 Gly Glu Gln Ala Arg Thr Leu Arg Asp Glu Asp Leu Val Pro Ser 395 Arg Leu Thr Phe Lys Pro Lys Glu Thr Asp Ser Val Val Phe Thr 415 Leu Leu Asp Glu Leu Leu Glu Thr Ser Glu Pro Phe Thr Ser Ala		Ile	Pro	Lys	Ser		Lys	Glu	Lys	Gln	Ala 315	Leu	Ala	Ala	Arg	Gln 320
Phe Val Ala Ser Ser Leu Lys Gln Pro Ser Leu Glu Phe Asp Leu Gly Pro 370 Ala Gly Pro Arg Thr Arg Val Ile Pro Pro Pro Asp Cys 370 Glu Gln Ala Arg Thr Leu Arg Asp Glu Asp Leu Val Pro Ser 390 Arg Leu Thr Phe Lys Glu Thr Asp Ser Val Val Pro Thr Als Arg Leu Leu Asp Glu Leu Leu Glu Thr Ser Glu Pro Phe Thr Ser Ala	Lys	Tyr	Lys	Gln		Leu	Ile	Arg	Ile	Gln 330	Phe	Pro	Asp	Gly	Val 335	Ile
Cys Pro Ala Gly Pro Arg Thr Arg Val Ile Pro Pro Phe Pro Lys 370 Glu Gln Ala Arg Thr Leu Arg Asp Glu Asp Leu Val Pro Ser 390 Arg Leu Thr Phe Lys Pro Lys Glu Thr Asp Ser Val Val Phe Thr 415 Leu Leu Asp Glu Leu Leu Glu Thr Ser Glu Pro Phe Thr Ser Ala	Leu	Gln	Gly		Phe	Leu	Pro	Ala		Pro	Ile	Ser	Ser	Leu 350	Tyr	Glu
370 Gly Glu Gln Ala Arg Thr Leu Arg Asp Glu Asp Leu Val Pro Ser 395 Arg Leu Thr Phe Lys Arg Slu Thr Asp Ser Val Val Phe Thr 415 Leu Leu Asp Glu Leu Leu Glu Thr Ser Glu Pro Phe Thr Ser Ala	Phe	Val		Ser	Ser	Leu	Lys		Pro	Ser	Leu	Glu	Phe 365	Asp	Leu	Ile
385 390 395 Arg Leu Thr Phe Lys Pro Lys Glu Thr Asp Ser Val Val Phe Thr 415 Leu Leu Asp Glu Leu Leu Glu Thr Ser Glu Pro Phe Thr Ser Ala	Cys		Ala	Gly	Pro	Arg		Arg	Val	Ile	Pro	Pro 380	Phe	Pro	Lys	Pro
405 410 415 Leu Leu Asp Glu Leu Leu Glu Thr Ser Glu Pro Phe Thr Ser Ala		Glu	Gln	Ala	Arg		Leu	Arg	Asp	Glu	Asp 395	Leu	Val	Pro	Ser	Ala 400
	Arg	Leu	Thr	Phe		Pro	Lys	Glu	Thr	Asp 410	Ser	Val	Val	Phe	Thr 415	Gly
	Leu	Leu	Asp		Leu	Leu	Glu	Thr		Glu	Pro	Phe	Thr	Ser 430	Ala	Ser

Sęr